

NANOENGINEERED BIOPHOTONIC HYBRID DEVICE

LaBelle et al.

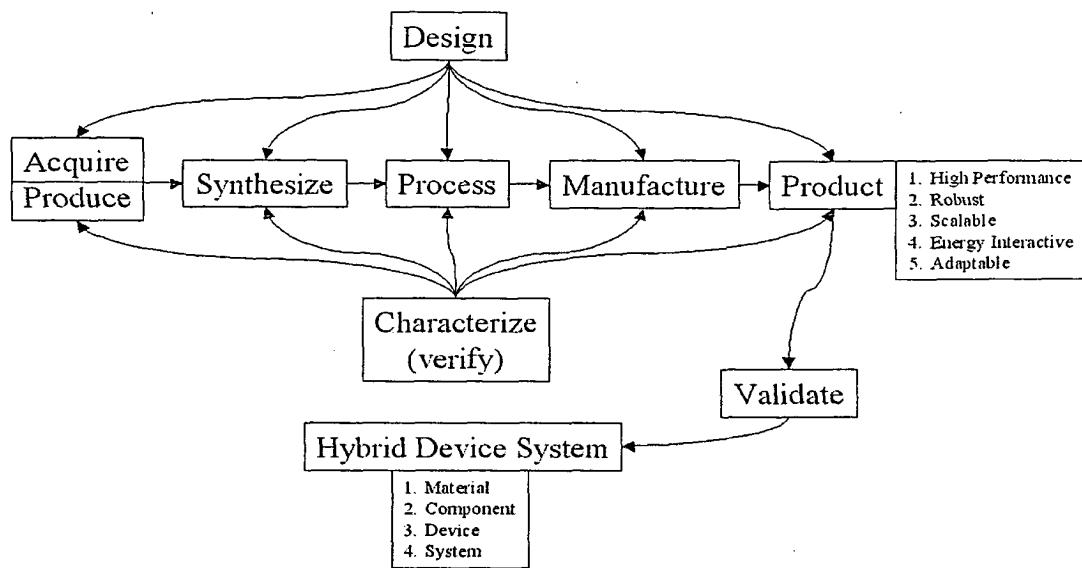


Fig. 1

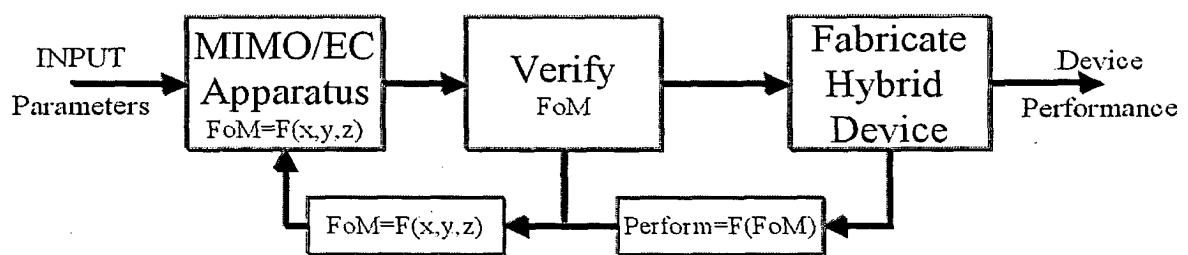


Fig. 2

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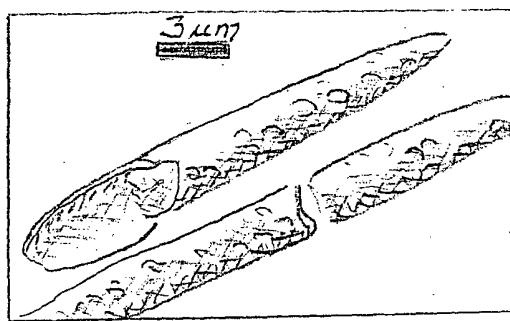


Fig. 3

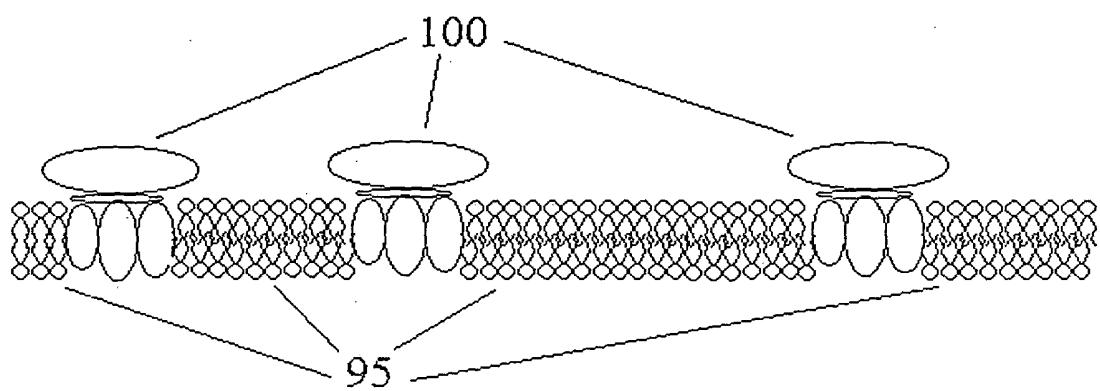


Fig. 4

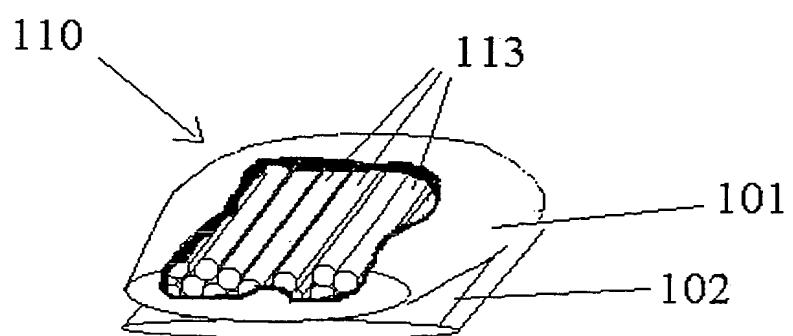
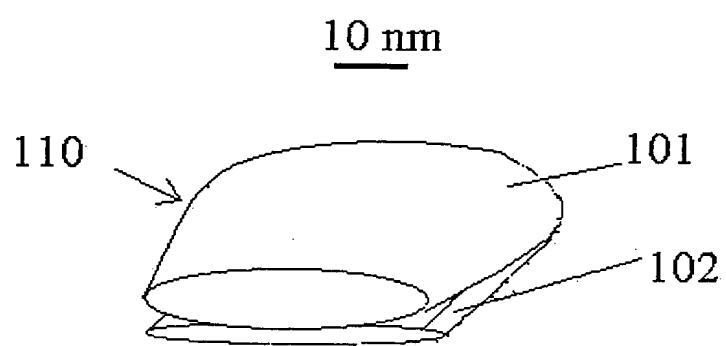
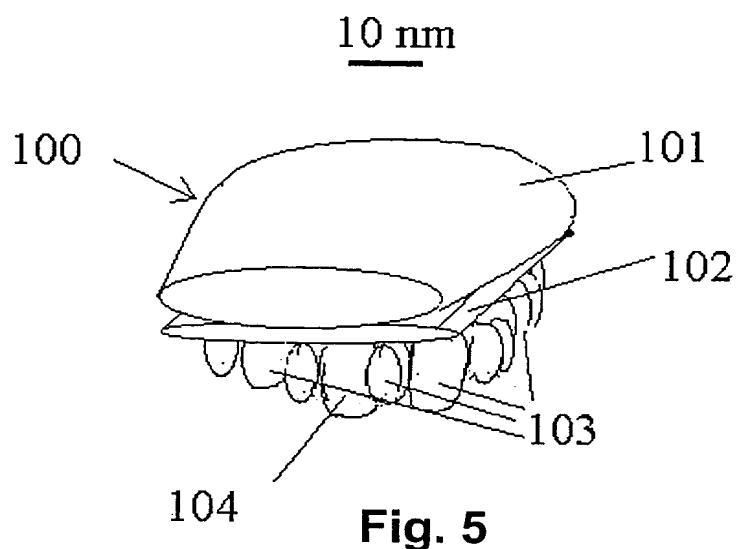


Fig. 7

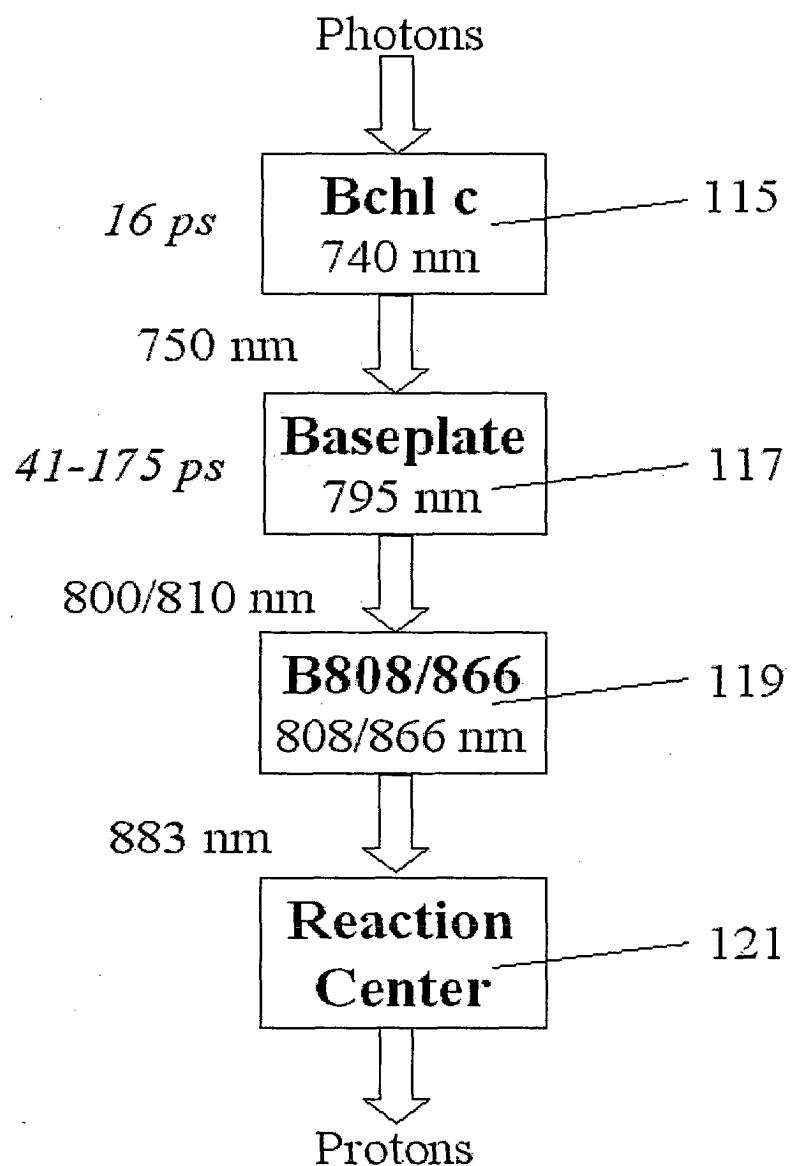


Fig. 8

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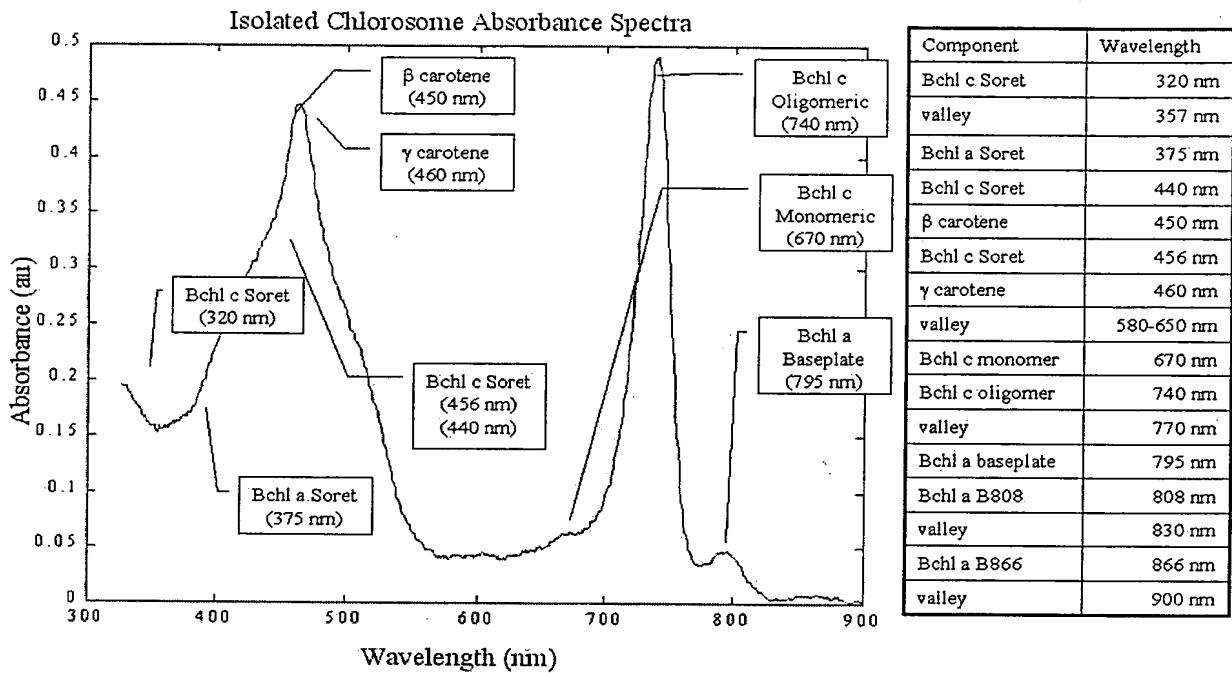


Fig. 9

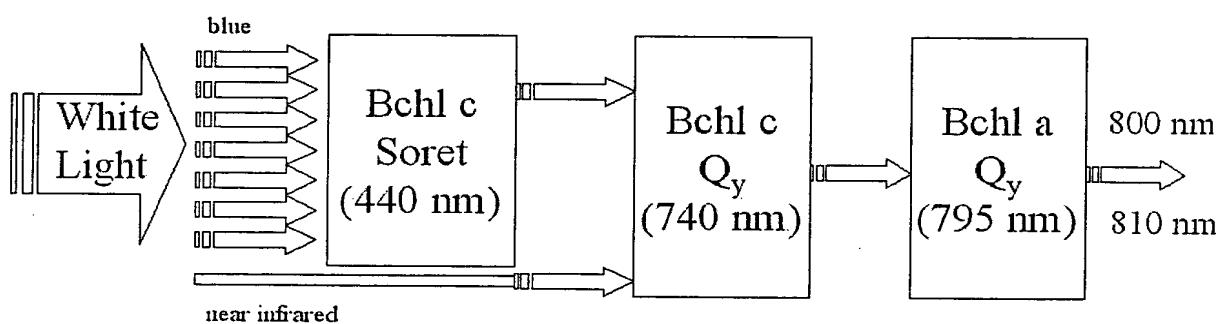


Fig. 10

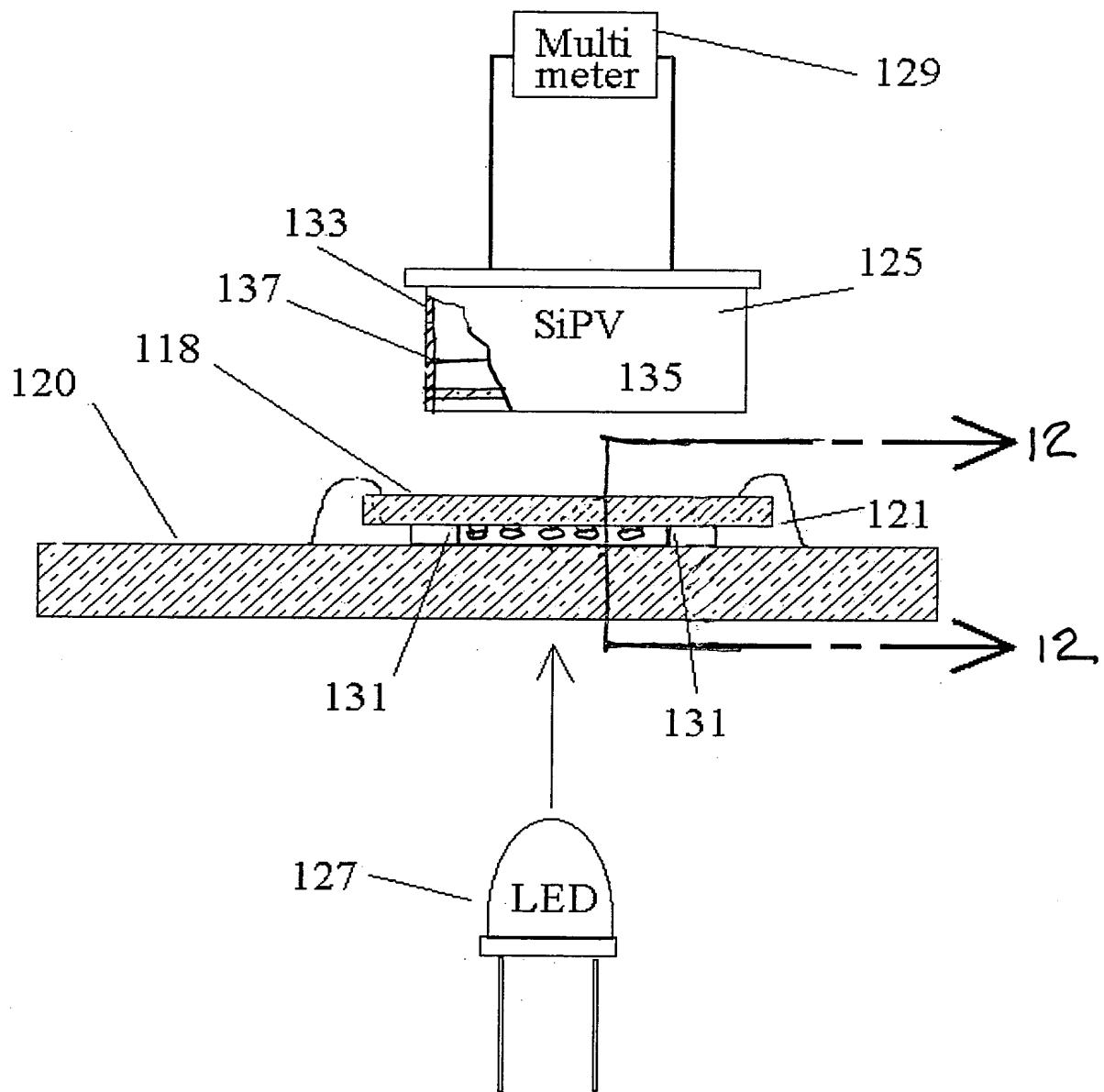


Fig. 11

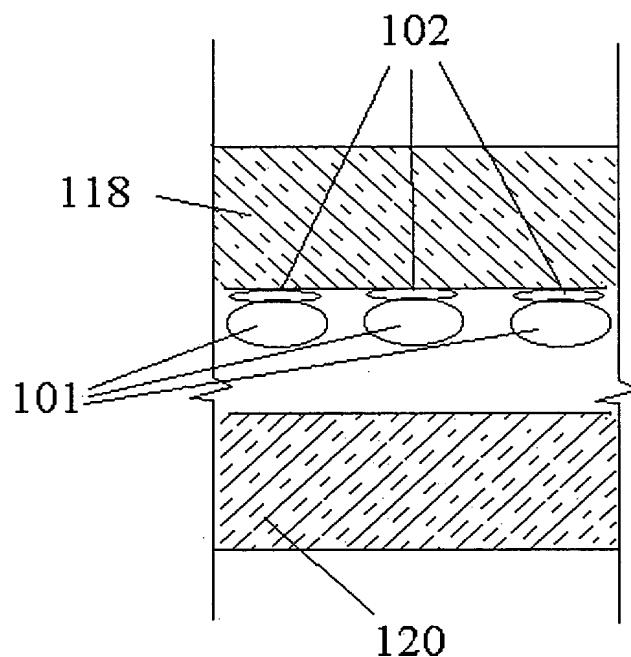


Fig. 12

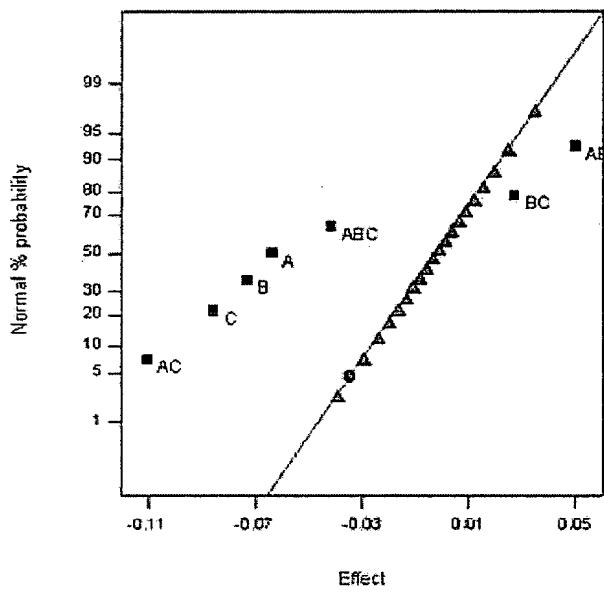
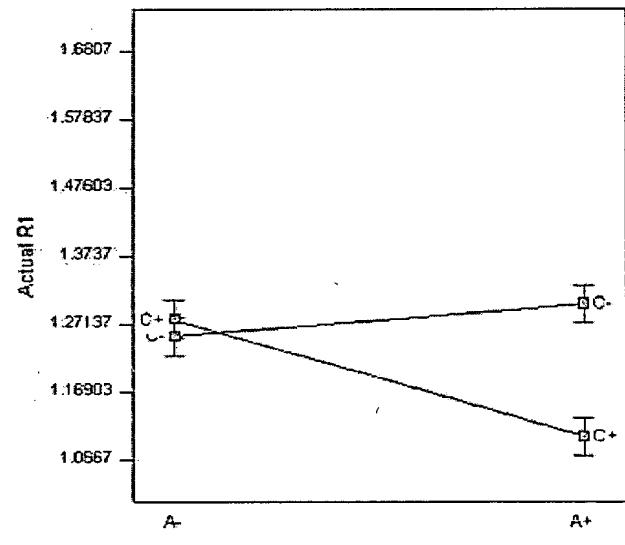


Fig. 13a



Interaction of A:Temp and C:%Vol

Fig. 13b

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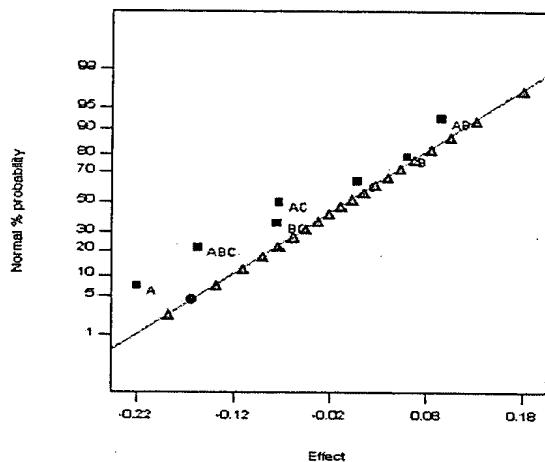


Fig. 14a

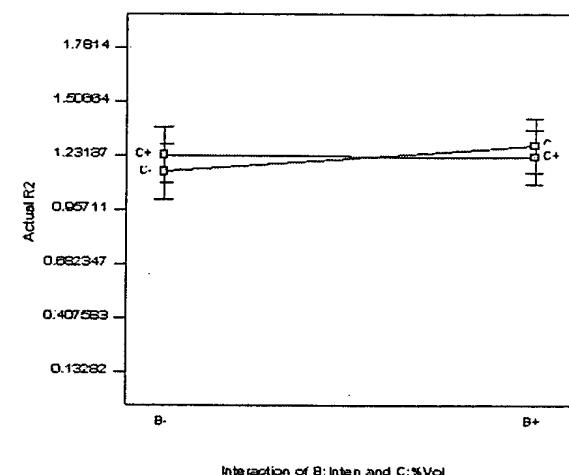


Fig. 14b

Absorbance for 3 replicates for [1:1] cfx (stock) whole cells

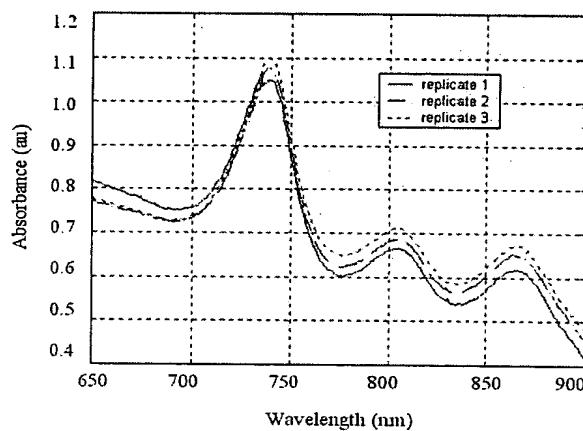


Fig. 15a

Absorbance for serial dilutions of cfx whole cells

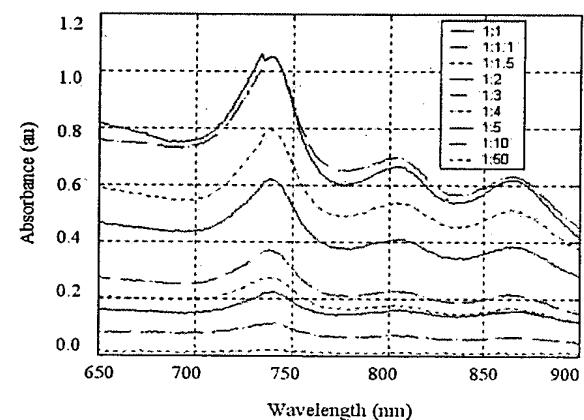


Fig. 15b

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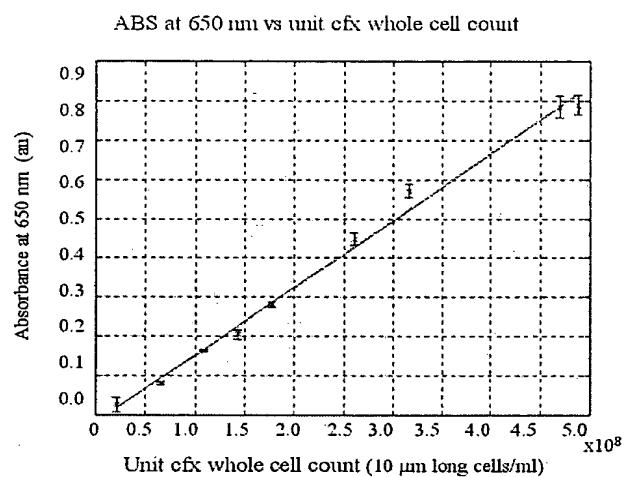


Fig. 16a

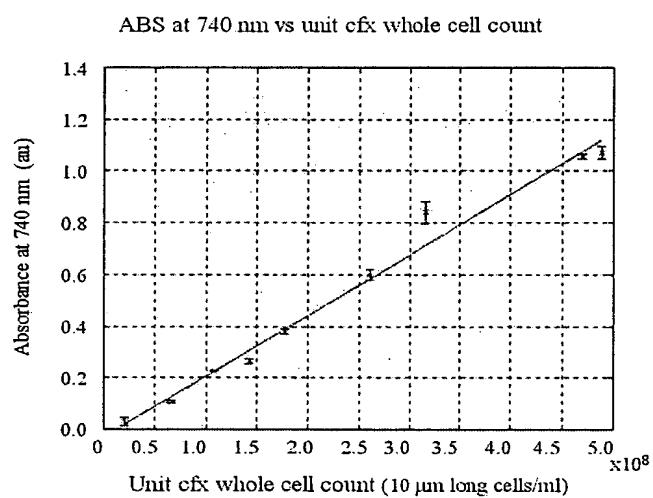


Fig. 16b

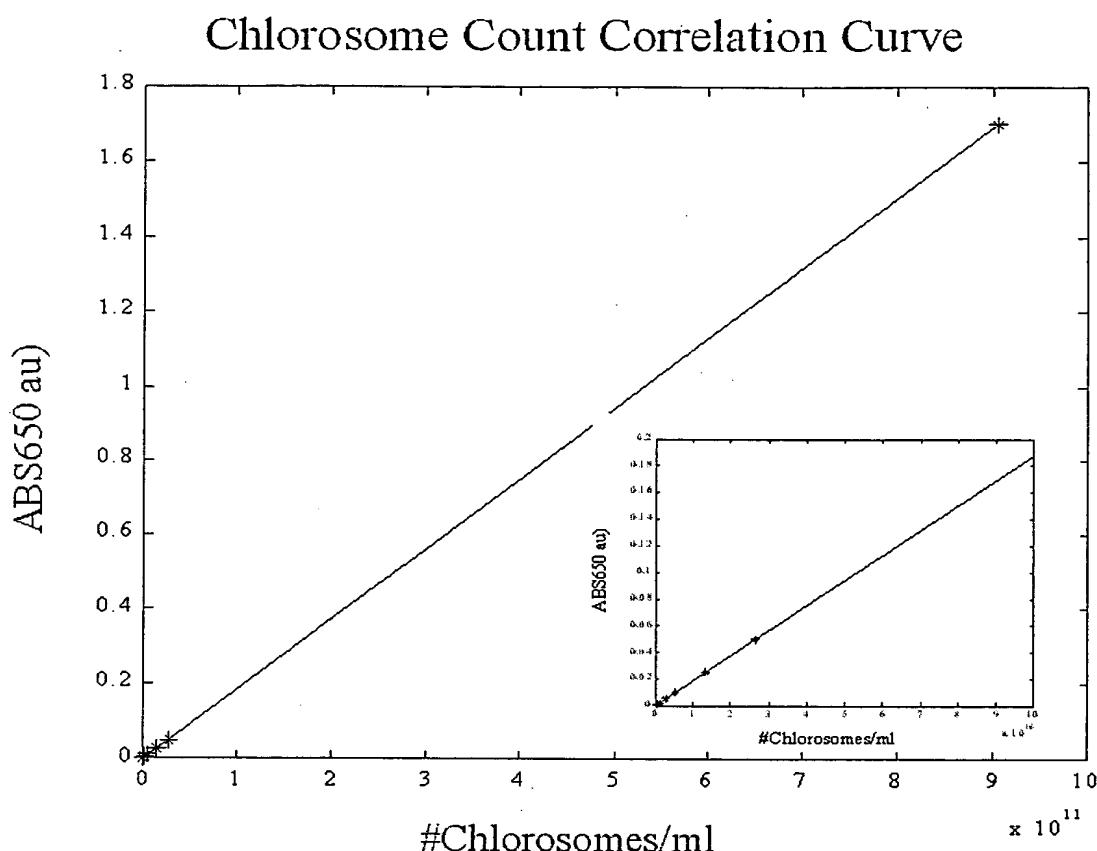


Fig. 17

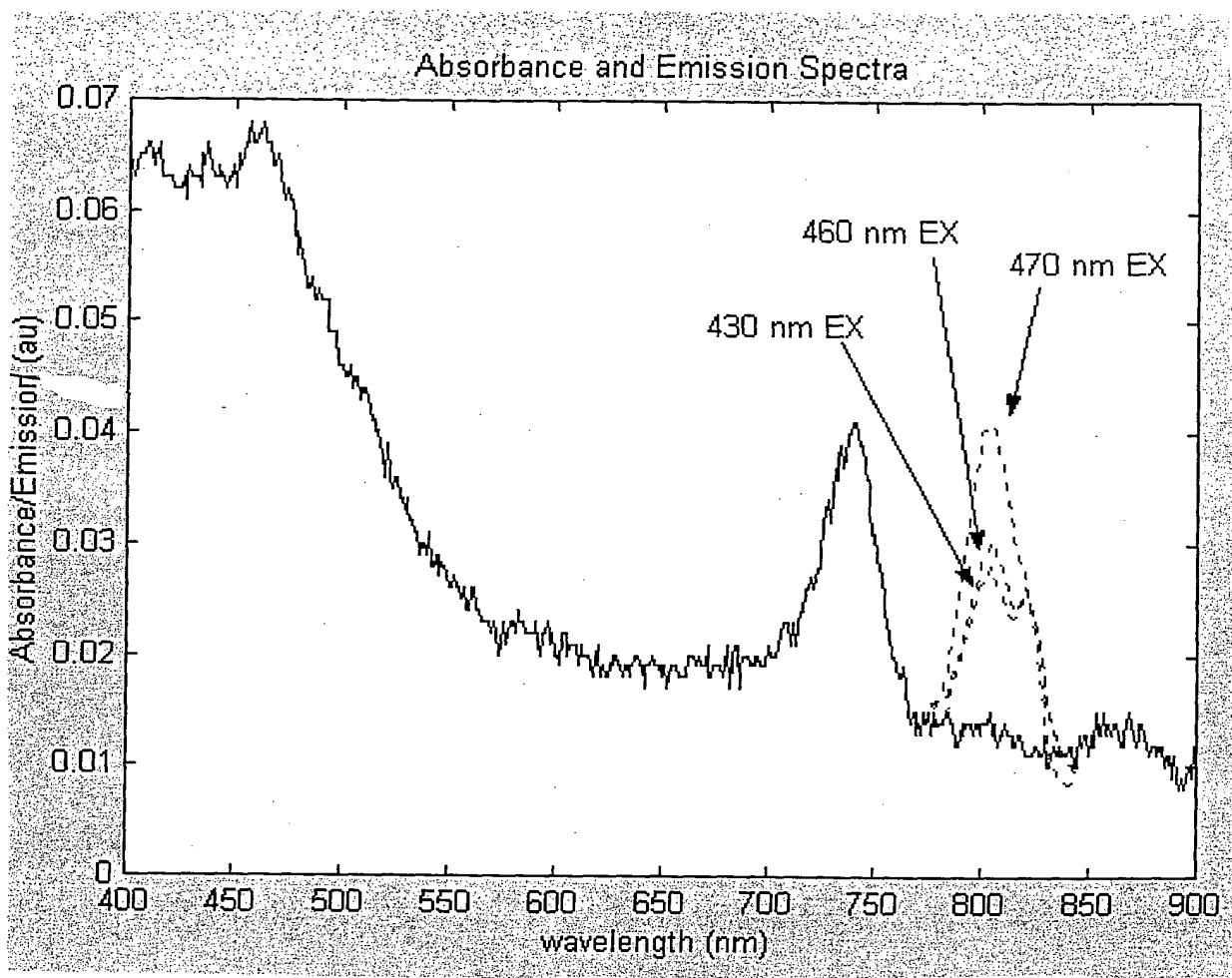


Fig. 18

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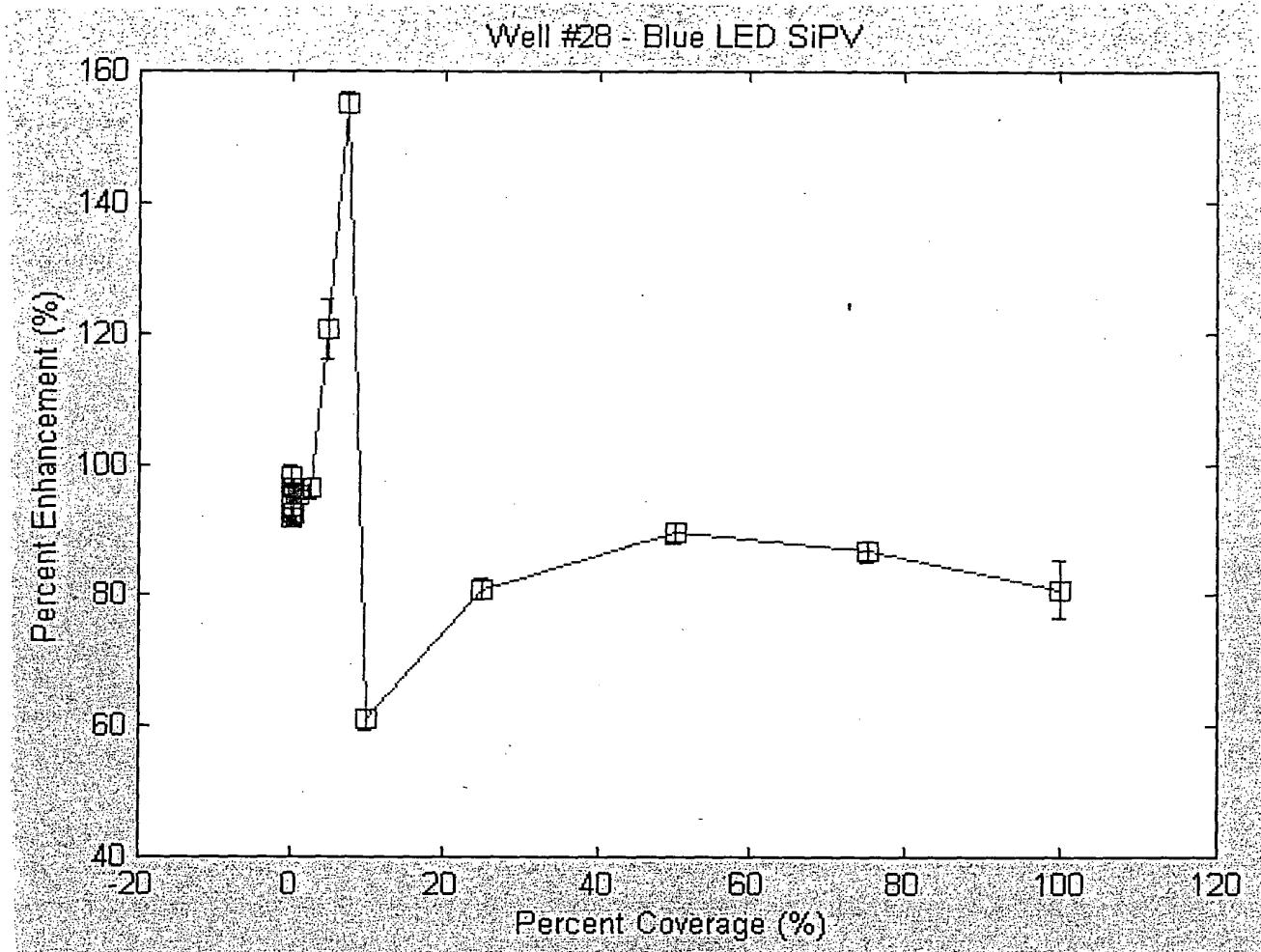


Fig. 19

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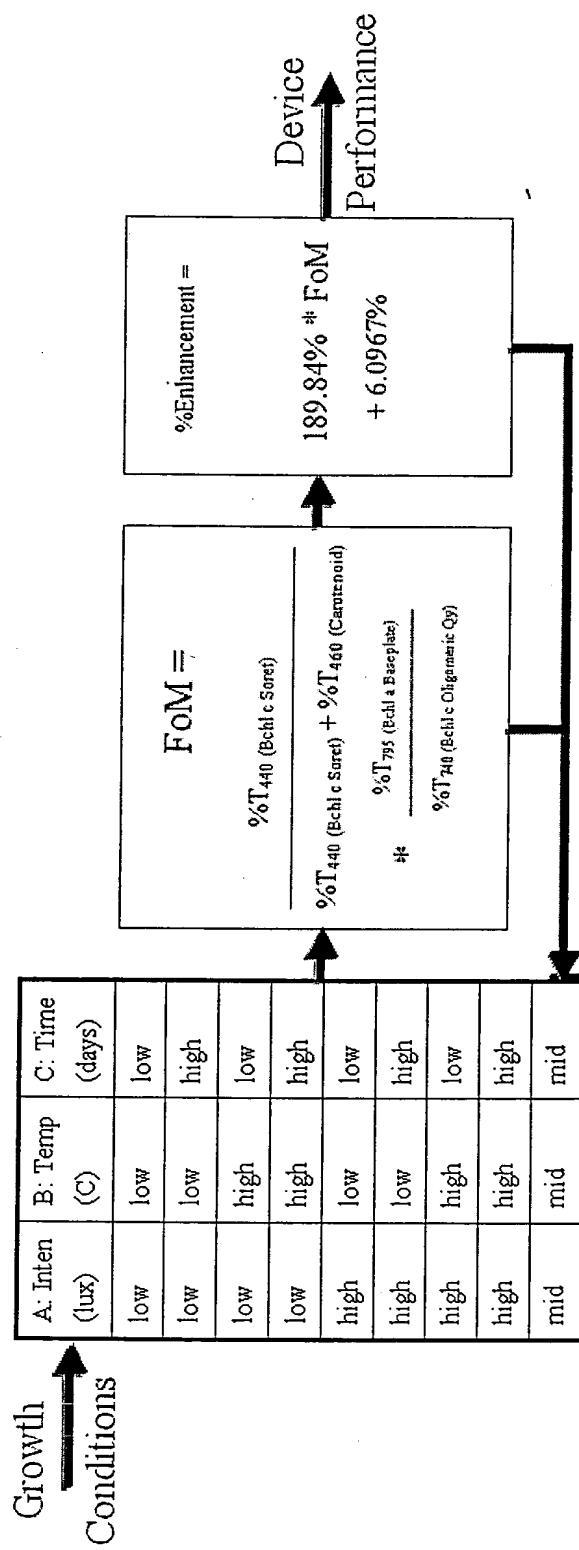


Fig. 20

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$$\text{Figure of Merit} = \frac{\%T_{440} (\text{Bchl c Soret})}{\%T_{440} (\text{Bchl c Soret}) + \%T_{460} (\text{carotenoid})} \times \frac{\%T_{795} (\text{Bchl a Baseplate})}{\%T_{740} (\text{Bchl c oligomeric Q}_y)}$$

	%T 795	%T 740	%T 460	%T 440
Bchl a	Bchl c	carotenoid	Soret	
Well 1	0.9625	0.6067	0.6417	0.7034
Well 21	0.9555	0.8044	0.5703	0.5985
Well 22	0.9502	0.7948	0.565	0.5908
Well 23	0.9553	0.8997	0.8599	0.8671
Well 24	0.9569	0.9237	0.8731	0.8738
Well 26	0.9566	0.8732	0.7793	0.7895
Well 28	0.9541	0.6126	0.6421	0.7161

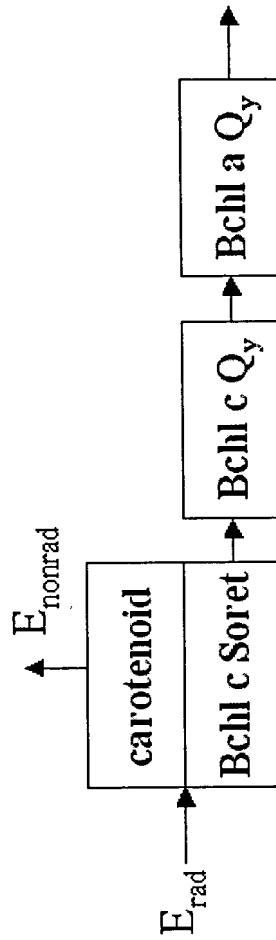


Fig. 21a

Fig. 21

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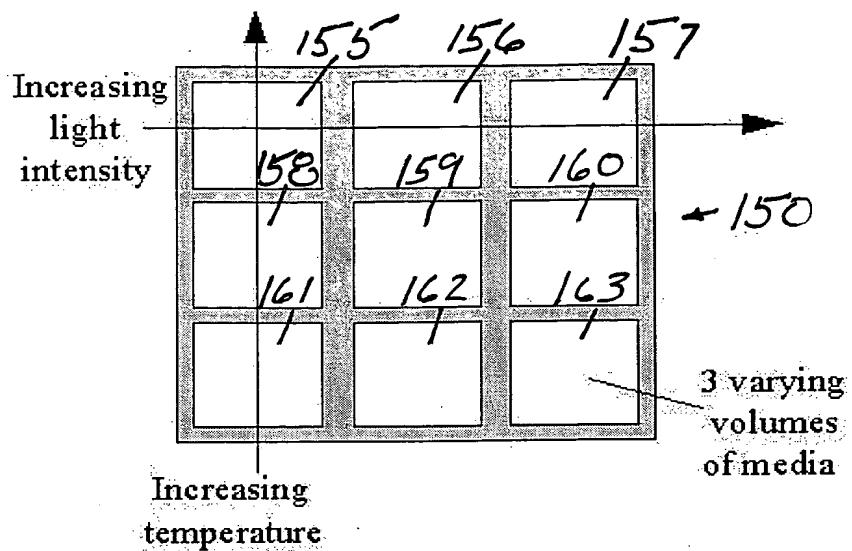


FIG. 22

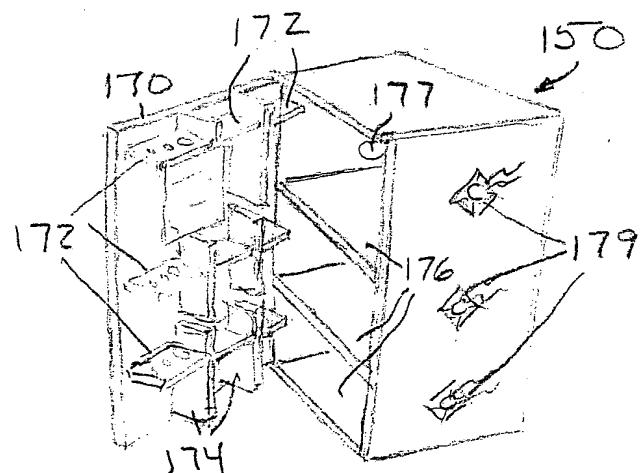


FIG. 23